

Amendments to the Claims

The listing of claims will replace all prior versions, and listings of claims in the application.

Claim 1 (currently amended): A method for producing a labeled nucleic acid or protein, wherein the method comprises binding the nucleic acid or protein to an LSI (large scale integrated circuit), and recording specific information on the LSI.

Claim 2 (original): The method of claim 1, wherein the specific information is characteristic to the nucleic acid or protein bound to the LSI.

Claim 3 (original): The method of claim 1, wherein a substrate mediates the binding of the nucleic acid or protein to the LSI.

Claim 4 (original): The method of claim 3, wherein the substrate is selected from the group consisting of cellulose vinyl acetate, α -cyanoacrylate, silicon denatured polymer, epoxy resin, and calcium sulfate.

Claim 5 (original): The method of claim 1, wherein an antibody bound to the protein mediates the binding of the protein to the LSI.

Claim 6 (currently amended): The method of claim 1, wherein ~~a sugar chain of~~ the protein is (i) has a sugar chain and (ii) is attached to the LSI via the sugar chain, and a characteristic of the sugar chain of the protein is described on the LSI.